

21. (New) A method for purification treatment of an environmental pollutant, comprising the step of incorporating the environmental pollutant and microorganisms in a polyamino acid.

22. (New) The method according to claim 21, wherein the microorganism-produced polymer is a polyamino acid containing at least one amino acid selected from the group consisting of glutamic acid, leucine, alanine and phenylalanine.

23. (New) The method according to claim 21, wherein the microorganism-produced polymer is a polyamino acid substantially consisting of glutamic acid, leucine, alanine or phenylamine.

24. (New) The method according to claim 21, wherein the microorganism-produced polymer is a polyamino acid containing at least 65% of one amino acid selected from the group consisting of glutamic acid, leucine, alanine and phenylalanine.

25. (New) The method according to claim 20, wherein the step of incorporating the environmental pollutant and microorganisms is done in the presence of a cationic inorganic salt.

26. (New) The method according to claim 21, wherein the step of incorporating the environmental pollutant and microorganisms is done in the presence of a cationic inorganic salt.

27. (New) The method according claim 25, wherein the cationic inorganic salt is at least one member selected from the group consisting of aluminum chloride, aluminum sulfate, sodium aluminate, calcium chloride, ferrous sulfate, ferric chloride, iron (III) sulfate and copper chloride.

28. (New) The method according claim 26, wherein the cationic inorganic salt is at least one member selected from the group consisting of aluminum chloride, aluminum sulfate, sodium aluminate, calcium chloride, ferrous sulfate, ferric chloride, iron (III) sulfate and copper chloride.

A¹ 29. (New) The method according to claim 20, wherein the microorganisms are at least one member selected from the group consisting of the genera *Pseudomonas*, *Rhodococcus*, *Aeromonas*, *Rhizobium*, *Sphingomonas*, *Arthrobacter*, *Frateuria*, *Flavobacterium* and *Bacillus*.

30. (New) The method according to claim 21, wherein the microorganisms are at least one member selected from the group consisting of the genera *Pseudomonas*, *Rhodococcus*, *Aeromonas*, *Rhizobium*, *Sphingomonas*, *Arthrobacter*, *Frateuria*, *Flavobacterium* and *Bacillus*.

31. (New) The method according to claim 20, wherein the environmental pollutant is at least one member selected from the group consisting of polychlorinated biphenyls, dioxins, dichloroethylenes, dichloroethanes, trichloroethylenes, trichloroethanes, mercury and its compounds, and selenium and its compounds.

32. (New) The method according to claim 21, wherein the environmental pollutant is at least one member selected from the group consisting of polychlorinated biphenyls, dioxins, dichloroethylenes, dichloroethanes, trichloroethylenes, trichloroethanes, mercury and its compounds, and selenium and its compounds.

33. (New) A microbial treatment agent comprising microorganisms incorporated in a cohesive or adhesive polysaccharide produced from bacteria of the genus *Zoogloea*; a levan produced from bacteria of the genus *Bacillus*, *Acetobacter*, or *Pseudomonas*; or a polymer containing a sugar component in which at least one fructofuranosyl group is bonded to a fructosyl group at the β -2,6 position.

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34. (New) A microbial treatment agent comprising microorganisms incorporated in a polyamino acid.

35. (New) The microbial treatment agent according to claim 34, wherein the polyamino acid substantially consists of glutamic acid, leucine, alanine or phenylalanine.

36. (New) The microbial treatment agent according to claim 34, wherein the polyamino acid contains at least 65% of one amino acid selected from the group consisting of glutamic acid, leucine, alanine and phenylalanine.

37. (New) The microbial treatment agent according to claim 33, wherein the microorganisms are at least one member selected from the group consisting of the genera *Pseudomonas*, *Rhodococcus*, *Aeromonas*, *Rhizobium*, *Sphingomonas*, *Arthrobacter*, *Frateuria*, *Flavobacterium* and *Bacillus*.

38. (New) The microbial treatment agent according to claim 34, wherein the microorganisms are at least one member selected from the group consisting of the genera *Pseudomonas*, *Rhodococcus*, *Aeromonas*, *Rhizobium*, *Sphingomonas*, *Arthrobacter*, *Frateuria*, *Flavobacterium* and *Bacillus*.

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39. (New) The microbial treatment agent according to claim 33, wherein the microorganisms are a mixture of at least two members selected from the group consisting of the genera *Pseudomonas*, *Rhodococcus*, *Aeromonas*, *Rhizobium*, *Sphingomonas*, *Arthrobacter*, *Frateuria*, *Flavobacterium* and *Bacillus*.

40. (New) The microbial treatment agent according to claim 34, wherein the microorganisms are a mixture of at least two members selected from the group consisting of the genera *Pseudomonas*, *Rhodococcus*, *Aeromonas*, *Rhizobium*, *Sphingomonas*, *Arthrobacter*, *Frateuria*, *Flavobacterium* and *Bacillus*.

41. (New) The microbial treatment agent according to claim 33, further comprising a cationic inorganic salt.

42. (New) The microbial treatment agent according to claim 34, further comprising a cationic inorganic salt.

43. (New) The microbial treatment agent according to the claim 41, wherein the cationic inorganic salt is at least one member selected from the group consisting of aluminum chloride, aluminum sulfate, sodium aluminate, calcium chloride, ferrous sulfate, ferric chloride, iron (III) sulfate and copper chloride.

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44. (New) The microbial treatment agent according to the claim 42, wherein the cationic inorganic salt is at least one member selected from the group consisting of aluminum chloride, aluminum sulfate, sodium aluminate, calcium chloride, ferrous sulfate, ferric chloride, iron (III) sulfate and copper chloride.

45. (New) The microbial treatment agent according to claim 33, wherein the microorganism is capable of assimilation or degradation of the environmental pollutant.

46. (New) The microbial treatment agent according to claim 34, wherein the microorganism is capable of assimilation or degradation of the environmental pollutant.

47. (New) The microbial treatment agent according to claim 45, wherein the environmental pollutant is at least one member selected from the group consisting of polychlorinated biphenyls, dioxins, dichloroethylenes, dichloroethanes, trichloroethylenes, trichloroethanes, ethylenes, mercury and its compounds, and selenium and its compounds.

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48. (New) The microbial treatment agent according to claim 46, wherein the environmental pollutant is at least one member selected from the group consisting of polychlorinated biphenyls, dioxins, dichloroethylenes, dichloroethanes, trichloroethylenes, trichloroethanes, ethylenes, mercury and its compounds, and selenium and its compounds.
